

**REVIEW SIMPLIFYING RADICALS:** "The Buddy System"

$$\sqrt{350}$$

$$\sqrt{x^9 y^8 z}$$

$$\sqrt{45p^3}$$

**COEFFICIENT IN FRONT OF THE RADICAL:**

There is already a number outside of the radical (house), so multiply it with anything else that gets to leave!

$$3\sqrt{20}$$

$$2\sqrt{8x^{15}}$$

**PRACTICE:**

1.  $5\sqrt{700}$

2.  $3\sqrt{80}$

3.  $2\sqrt{12a^5}$

4.  $4x\sqrt{39x^3}$

MIXED PRACTICE:

1.  $6\sqrt{24}$

2.  $4\sqrt{216}$

3.  $2\sqrt{252}$

4.  $4\sqrt{150n}$

5.  $3\sqrt{125r^4}$

6.  $\sqrt{72x}$

7.  $7\sqrt{96m^2n^3}$

8.  $3\sqrt{48x^2y^2}$

9.  $7\sqrt{50x^2y^4}$

10.

